Pipe-Z Combined Wall Systems

**Pipe-Z System**

<table>
<thead>
<tr>
<th>Pipe-Z System Combination Sample</th>
<th>Sheet Pile Section</th>
<th>PROPERTIES OF PIPE PILE</th>
<th>PROPERTIES OF COMBINED WALL</th>
<th>COATING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Outside Diameter (in mm)</td>
<td>Wall Thickness (in mm)</td>
<td>Pipe Weight (lb/ft)</td>
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<tr>
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<td>AZ 14-770</td>
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<td>PAZ30/AZ18</td>
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<td>PAZ42/AZ38-700N</td>
<td>AZ 38-700N</td>
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<tr>
<td>PAZ48/AZ14-770</td>
<td>AZ 14-770</td>
<td>48.00</td>
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<td>PAZ48/NZ19</td>
<td>NZ 19</td>
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<td>AZ 23-800</td>
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<td>AZ 38-700N</td>
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<td>PAZ54/AZ14-770</td>
<td>AZ 14-770</td>
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<td>AZ 23-800</td>
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<td>54.00</td>
<td>0.875</td>
<td>496.92</td>
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</table>

Size Range: The combinations above are just a sample of the thousands of possibilities that are available with the Pipe-Z System.

System Width: For a given strength or stiffness requirement, using larger diameter pipes and wider sheet piles (new 800 mm sections) will maximize the efficiency of the wall.

A larger system width reduces the number of connectors to weld, piles to drive, and tierods to install.

Contact your local Nucor Skyline representative to check on pricing and availability of your system.
Pipe-Z

Pipe-Z Combined Wall Systems

Pipe AZ System

<table>
<thead>
<tr>
<th>Pipe-Z System Combination</th>
<th>Sheet Pile Section</th>
<th>PROPERTIES OF PIPE PILE</th>
<th>PROPERTIES OF COMBINED WALL</th>
<th>WEIGHT (Sheet Pile Length/Pipe Length)</th>
<th>COATING</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Outside Diameter in mm</td>
<td>Wall Thickness in mm</td>
<td>Pipe Weight in lb/ft²</td>
<td>System Width in in²/ft²</td>
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<tr>
<td></td>
<td></td>
<td>Pipe Weight in lb/ft²</td>
<td>System Width in in²/ft²</td>
<td>Section Modulus in³/ft²</td>
<td>Weight in lb²/ft²</td>
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<tr>
<td>PAZ60/AZ14-770</td>
<td>AZ 14-770</td>
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<tr>
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<td>1.000</td>
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<td>141.48 3594</td>
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</table>

Size Range: The combinations above are just a sample of the thousands of possibilities that are available with the Pipe-Z System.
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### Pipe-Z

#### Pipe-Z Combined Wall Systems

### Available Steel Grades

<table>
<thead>
<tr>
<th>ASTM</th>
<th>Yield Strength</th>
<th>PIPE</th>
<th>SHEET PILE</th>
<th>CONNECTORS</th>
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<tbody>
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<td></td>
<td>ksi</td>
<td>MPa</td>
<td>Spiralweld</td>
<td>Rolled &amp;</td>
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<tr>
<td>A 139 Grade A</td>
<td>30</td>
<td>205</td>
<td>✔</td>
<td>✔</td>
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<td>A 139 Grade B</td>
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<td>240</td>
<td>✔</td>
<td>✔</td>
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<td>A 139 Grade C</td>
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<td>A 139 Grade D</td>
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<td>290</td>
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<td>✔</td>
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<td>Brinell Hardness – 190</td>
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<tr>
<td>S 240 GP</td>
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<td>S 460 AP</td>
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<td>460</td>
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Highlighted fields represent the most commonly used and readily available steel grades. Additional grades available upon request. Please call with any questions or special requests.

*Availability is dependent on pipe diameter and thickness. **Not available for AZ 36-700N and larger.
Pipe-Z

Pipe-Z Combined Wall Systems

Delivery Conditions & Tolerances

<table>
<thead>
<tr>
<th>ASTM</th>
<th>SHEET PILE</th>
<th></th>
<th>PIPE</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>AZ</td>
<td></td>
<td>Spiralweld</td>
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<td>ASTM</td>
<td>EN10248</td>
<td>ASTM</td>
<td>ASTM</td>
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<tr>
<td>Mass</td>
<td>± 2.5%</td>
<td>± 5%</td>
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<tr>
<td>Length</td>
<td>± 5 in.</td>
<td>± 200 mm</td>
<td>± 1 in.</td>
<td>± 1 in.</td>
</tr>
<tr>
<td>Height</td>
<td>± 7 mm</td>
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<tr>
<td>Thickness</td>
<td>≤ 8.5 mm</td>
<td>&gt; 8.5 mm</td>
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<tr>
<td>Width</td>
<td>± 2%</td>
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<tr>
<td>Double Pile Width</td>
<td>± 3%</td>
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<tr>
<td>Interlock Opening</td>
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<tr>
<td>Straightness</td>
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<td></td>
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<tr>
<td>Ends out of Square</td>
<td>2% of the width</td>
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<td>Twisting</td>
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Maximum Rolled Lengths†

<table>
<thead>
<tr>
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<th>Length (ft)</th>
<th>Length (m)</th>
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<tbody>
<tr>
<td>Spiralweld</td>
<td>130 ft.</td>
<td>39.6 m</td>
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<tr>
<td>Rolled &amp; Welded</td>
<td>120 ft.</td>
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</tr>
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<td>E22</td>
<td>59 ft.</td>
<td>18.0 m</td>
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<td>AZ</td>
<td>102 ft.</td>
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<td>NZ</td>
<td>90 ft.</td>
<td>27.4 m</td>
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† All sections are readily spliced for longer lengths.